

PATENT

Case Docket No. DITRANS.003C1

Date: April 2, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wesley K. Masenten  
Appl. No. : 10/758,355  
Filed : January 15, 2004  
For : METHOD AND APPARATUS  
FOR CANCELING A TRANSMIT  
SIGNAL SPECTRUM IN A  
RECEIVER BANDWIDTH  
Examiner : Unknown  
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

April 2, 2004

(Date)

Bruce S. Itchkawitz, Reg. No. 47,677

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

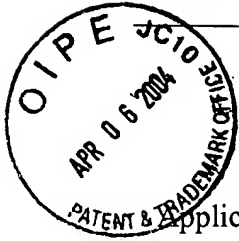
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with thirty-nine (39) references.
- (X) A return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Bruce S. Itchkawitz  
Registration No. 47,677  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404



## INFORMATION DISCLOSURE STATEMENT

Applicant : Wesley K. Masenten  
App. No. : 10/758,355  
Filed : January 15, 2004  
For : METHOD AND APPARATUS FOR  
CANCELING A TRANSMIT SIGNAL  
SPECTRUM IN A RECEIVER BANDWIDTH  
Examiner : Unknown  
Group Art Unit : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

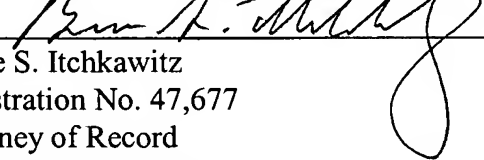
Enclosed is form PTO-1449 listing thirty-nine (39) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

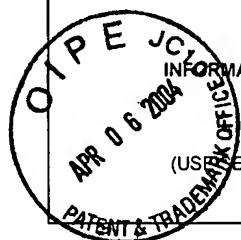
Dated: 4/2/04

By:   
Bruce S. Itchkawitz  
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Attorney of Record  
Customer No. 20,995  
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
DITRANS.003C1APPLICATION NO.  
10/758,355INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Wesley K. MasentenFILING DATE  
January 15, 2004GROUP  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	4,475,243	10/02/84	Batlivala et al.			
	2	4,535,476	08/13/85	Carlin			
	3	4,720,712	01/19/88	Brookner et al.			
	4	4,953,182	08/90	Chung			
	5	5,249,203	09/93	Loper			
	6	5,422,889	06/06/95	Sevenhans et al.			
	7	5,557,642	09/17/96	Williams			
	8	5,604,929	02/18/97	Loper et al.			
	9	5,675,613	10/97	Uwano et al.			
	10	5,691,978	11/97	Kenworthy			
	11	5,705,949 A	01/06/98	Alelyunas			
	12	5,828,955	10/98	Lipowski et al.			
	13	5,847,619	12/98	Kirisawa			
	14	5,926,135	07/20/99	Minkoff			
	15	5,952,965	09/14/99	Kowalski			
	16	5,999,800	12/07/9	Choi et al.			
	17	6,169,912	01/01	Zuckerman			
	18	6,289,048	09/01	Richards et al.			
	19	6,340,883	01/02	Nara et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	20	PTC US01/01896	01/18/01	PCT International Search Report				
	21	PCT US00/41150	10/11/00	PCT International Search Report				
	22	WO 00/33481	06/08/00	PCT				
	23	WO 01 08292 A	02/01/01	PCT				
	24	WO 01 20795 A	03/22/01	PCT				

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. DITRANS.003C1	APPLICATION NO. 10/758,355
	APPLICANT Wesley K. Masenten	
	FILING DATE January 15, 2004	GROUP Unknown

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	25	EP 02 25 3343	11/13/02	European Search Report				
	26	EP 0 180 339 A	05/07/86	Europe				
	27	EP 0 320 553 A1	06/21/89	Europe				
	28	DE 196 16 368 C	12/11/97	Germany				
	29	JP 10041733	02/13/98	Japan				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	30	Abidi, Asad A., <i>Direct-Conversion Radio Transceivers for Digital Communications</i> , <u>IEEE Journal of Solid-State Circuits</u> , Vol. 30, No. 12 (December 1995), pp. 1399-1410.
	31	Anvari, K., et al., <i>Performance of a Direct Conversion Receiver with <math>\pi/4</math>-DQPSK Modulated Signal</i> , <u>IEEE CH2944</u> (1991), pp. 822-827.
	32	Candy, James C., et al., <i>Oversampling Delta-Sigma Data Converter, Theory, Design, and Simulation</i> , <u>IEEE Press</u> , New York (1992), pp. 1-29.
	33	Crochiere, Ronald E., et al., <i>Multirate Digital Signal Processing</i> , Prentice-Hall, Inc., Englewood Cliffs, N.J. 07632 (1983), pp. 143-183.
	34	Jantzi, Stephen A., et al., <i>Quadrature Bandpass <math>\Delta\Sigma</math> Modulation for Digital Radio</i> , <u>IEEE Journal of Solid-State Circuits</u> , Vol. 32, No. 12 (December 1997), pp. 1935-1950.
	35	Norsworthy, Steven R., et al., <i>Delta-Sigma Data Converters, Theory, Design and Simulation</i> , Wiley-Interscience, A John Wiley & Sons, Inc. Publication (1997), pp. 1-74.
	36	Proakis, John G., et al., <i>Advanced Digital Signal Processing</i> , Macmillian Publishing Co., New York (1992), pp. 142-151.
	37	Razavi, Behzad, <i>Design Considerations for Direct-Conversion Receivers</i> , <u>IEEE Transactions on Circuits and Systems-II: Analog and Digital Signal Processing</u> , Vol. 44, No. 6 (June 1997), pp. 428-435.
	38	Weaver, Donald K., Jr., <i>A Third Method of Generation and Detection of Single-Sideband Signals</i> , <u>Proceedings of the IRE 44</u> (1956), pp. 1703-1705.
	39	Widrow, B., et al., <i>Adaptive Antenna Systems</i> , Reprinted from <u>Proceedings of the IEEE</u> , Vol. 55, No. 12 (December 1967), pp. 2143-2161.

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040204

EXAMINER	DATE CONSIDERED
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